

## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

# The Wilson Bulletin

Official Organ of the Wilson Ornithological Club

An Illustrated Quarterly Magazine
Devoted to the Study of
Birds in the Field

Edited by Lynds Jones



Nineteen Hundred and Ten
Old Series, Volume XXII New Series, Volume XVII
Published by the Club at Oberlin, Ohio

### INDEX VOL. XXII, 1910

Acanthis linaria. 36, 192. Accipiter velox. 182, 189. Cardinalis cardinalis. 46, 99. floridamus. 46. Carpodacus purpureus. 35, 192. Actitis macularia., 182, 187. Ægialitis vocifera. 45. Catbird. 46, 78, 175, 184, 194. Agelaius phoeniceus. 32, 183. Catharista atrata. 45. Aix sponsa. 44. Cathartes aura septentrionalis. Ammodramus henslowi. 46. 45. savannarum australis. Centurus carolinus. 45. Ampelis cedrorum. 104, 193. Certhia familiaris americana. 177,. 195. Anas obscura. 188. rubripes. 55. Ceryle alcyon. 45, 182, 189. Chaetura pelagica. 182, 190. Anhinga. 199. Chat, Yellow-breasted. 173, 194. Chicken, Prairie. 188, 199. Anhinga anhinga. 137. Anthus pensilvanicus. 174, 194. Chickadee. 24, 178, 195. Carolina. 46. Antrostomus vociferus. 190, Archibuteo lagopus sancti-johannis. 189. Ardea herodias. 45. Chondestes grammacus. 39. Chordeiles virginianus. 190. Asio flammeus. 56. Circus hadsonius. 45, 189. Cistothorus stellaris. 176. Astragalinus tristis. 36, 46, 183, 192. Coccyzus americanus. 192, 189. erythropthalmus. 189. Colaptes auratus. 45, 55, 127 latens. 182, 190, 191. Aythya affinis. 45. Baeolophus bicolor. 177, 195. Baldpate. 18, 76, 77, 78. Colinus virginianus. 187. Bartramia longicauda. 197. Colymbus holiboelli. 44. Bittern. 7, 11, 65, 68, 70, 73, 75, Compsothlypis americana. 193. 76, 78. usneae. 110. Cory's. 199. Coot. 45, 65, 68, 69, 70, 73, 75, Least. 66. Blackbird, Red-winged. 22, 32, 76. Cormorant, Double-crested. 44, 65, 72, 73, 74, 77, 101, 183, Corvus brachyrhynchos. 21, 183, 202. 191. Rusty. 34, 191. pascuus. 45. Yellow-headed. 32, 199. hesperis. 200. Bluebird. 47, 58, 73, 74, 77, 118, 126, 181, 195, 202.
Bob-white. 69, 128, 187.
Bobolink. 7, 32, 184, 186, 191. caurinus. 200. Coturniculus savannarum tralis. 46. floridanus. 46. Brant. 199. passerinus 192. Cowbird. 32, 72, 183, 191, 193. Crane, Sandhill. 43, 45, 115. Creeper, Brown. 70, 74, 177, 195, Branta canadensis. 188. Bunting, Indigo. 100, 183. Buteo borealis. 56, 189. lineatus. 45. 203. Butorides virescens. 188, 204. Crow. 7, 23, 31, 65, 68, 69, 70, 73, 74, 77, 118, 183, 191. Calcarius lapponicus. 37. Fish. 44. Canvas-back. 18, 76. Cardinal. 46, 72, 99, 201, 202. Florida. 46. Florida. 45. Western. 200, 201.

Crossbill, Red. 36, 192, 203. White-winged. 36. Cuckoo, Black-billed. 8, 77, 78, 189. Yellow-billed. 182, 189. Cyanocitta cristata. 30, 183, 191. Cyanospiza cyanea. 183.	Falco sparverius. 45, 188. Finch, Purple. 24, 35, 192. Flicker. 45, 55, 127. Northern. 24, 68, 70, 76, 77, 118, 132, 133, 135, 171, 182, 196. Flycatcher, Acadian. 28. Alder. 28. Crested. 26, 190.
Dendroica aestiva. 110, 184, 191, 194. caerulea. 112. caerulescens. 110, 194. castanea. 112, 194.	Least. 29, 183, 190. Olive-sided. 27. Yelolw-bellied. 28, 190. Fulica americana. 45.
coronata. 46, 111, 194. discolor. 115. fusca. 113. kirtlandi. 114. maculosa. 194. magnolia. 111. palmarum. 46, 114.	Galeoscoptes carolinensis. 184, 194. Gallinago delicata. 184, 187. Gallinule, Florida. 68. Gavia immer. 56. Geothlypis trichas. 46, 184, 194. brachydactila. 172.
hypochrisea. 46, 194. pensylvanica. 112, 184, 191. striata. 113, 194. tigrina. 110. vigorsi. 46, 114, 194. virens. 114, 194. Dickeissel. 100, 101. Dolichonyx oryzivorus. 32, 184,	Gnatcatcher, Blue-gray. 179. Golden-eye, American. 18. Goldfinch, American. 24, 36, 46, 70, 75, 76, 77, 78, 183, 192. Willow. 199. Goose, Canada. 21, 188. European White-fronted. 199. Hutchins'. 124.
191.  Dove, Ground. 44.  Mourning. 45, 48, 65, 69, 78, 184, 187.  Dryobates borealis. 45.  pubescens. 45.  medianus. 190.	Goshawk. 199.  Grackle, Boat-tailed. 44.  Bronzed. 34, 77, 192, 202.  Purple. 183, 191.  Grebe, Holboell's. 21.  Horned. 21, 44, 74, 78.  Pied-billed. 20, 21, 43, 44.
villosus. 189.  Duck, Black. 12, 19, 55, 68, 69, 70, 72, 75, 76, 77, 78, 188.  Lesser Scaup. 18, 45, 76, 78.  Ruddy. 71, 72, 78.  Scaup. 76, 199.  Shoveller. 75.  Wood. 12, 44, 68, 69, 70,	Grosbeak, Evenenig. 35. Northern Pine. 35. Rose-breasted. 100, 183. Grus americana. 45. canadensis. 115. mexicana. 115.
72, 73, 75, 76.  Dumetella carolinensis. 46, 175.  Eagle, Bald. 65, 72, 73, 74, 78.  Ectopistes migratorius. 47.  Egret. 199.	Gull, Bonoparte's. 72, 78.  Herring. 7, 44, 65, 66, 68, 69, 70, 71, 72, 73, 74, 75, Kittiwake. 187.  Slaty-backed. 119.
Empidonax flaviventris. 28, 190. minimus. 29, 183, 190. trailli alnorum. 28. virescens. 28. Euphagus carolinus. 34, 191.	Hawk, Cooper's. 64, 65, 66, 67, 69, 70, 71, 72, 73, 74, 75, 76, 77.  Broad-winged. 65. Desert Sparrow. 199.

Duck. 65, 67, 68, 70, 75, 76, 77, 78, 189.	71, 72, 73, 74, 75, 178, 195.
Marsh. 45, 65, 66, 67, 70, 75, 76, 77, 124, 189.	Lagopus lagopus. 120.
Pigeon, 65, 67, 78,	alleni. 119
Red-tailed, 51, 56, 67, 69, 70, 72, 73, 77, 124, 189.	rupestris. 119. welchi, 119.
70, 72, 73, 77, 124, 189. Red-shouldered. 45, 72, 73,	Lanius borealis. 105, 193.
74.	ludovic anus migrans. 105.
Rough-legged. 77, 188.	Lanivireo flavifrons. 104.
Sharn-shinned 64 65 67	Lark, Horned. 29, 55.
68, 69, 70, 71, 72, 73, 74,	Hoyt Horned. 30
68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 182, 189.	Prairie Horned. 29. Larus argentatus. 44, 188.
Sparrow. 1, 10, 24, 45, 64,	cachinnans. 119.
65, 189. Western Red-tailed. 199.	marinus. 119.
Helminthophila chrysoptera, 193.	schistisagus. 119.
pinus. 193.	Loon. 21, 56.
Helmitheros vermivorus. 107,	Longspur, Lapland. 37
193.	Smith's. 194. Loxia curvirostra minor. 36,
Heron, Black-crowned Night. 68,	192.
70, 76. Great Blue. 10, 11, 15, 45,	leucoptera. 36.
68, 69, 75, 76, 78.	
Green. 68, 188, 204.	Mallard. 12, 18, 21, 73, 76, 78.
Little Blue. 199.	Martin, Purple. 8, 12, 101, 102, 125.
Hesperiphona vespertina. 35.	Meadowlark. 7, 33, 46, 65, 76,
Hirundo erythrogaster. 103, 183, 193.	77, 118, 183, 191.
Horizopus virens. 183, 190.	Florida. 46.
Hummingbird, Ruby-throated.	Megascops asio. 189.
65, 190.	Melanerpes erythrocephalus. 190.
Hylocichla aliciae. 180, 195.	Melospiza cinerea melodia. 46, 97, 183, 192.
fuscescens. 179, 195.	georgiana. 98, 192.
guttata palassi. 47, 181, 195. mustelina. 179, 184, 195.	lincolni. 97.
swainsoni. 180, 195.	Merganser, Hooded. 12, 18.
Icteria virens. 173, 194.	Red-breasted. 18, 72.
Icterus galbula. 34, 183, 191.	Merula migratoria. 195.
spurius. 33, 183, 191.	Mimus polyglottos. 46, 174. Mniotilta varia. 46, 107, 193.
Iridoprocne bicolor. 46, 103, 183,	Mockingbird. 46, 174.
193.	Molothrus ater. 32, 183, 191,
Jay, Blue. 23, 30, 71, 73, 74, 78,	193.
126, 183, 191. Florida. 43	Myiarchus crinitus. 26, 190.
Junco hyemalis. 41, 192.	Myiochanes virens. 27.
Killdeer. 45, 68, 70, 72, 77, 187.	Nannus hiemalis. 176.
Kite, Swallow-tailed. 199.	Nighthawk. 8, 74, 77, 190.
Kingbird. 24, 26, 182, 190.	Nuthatch, Brown-headed. 46.
Kingfisher, Belted. 9, 10, 19,	Red-breasted. 66, 69, 71,
45, 68, 70, 75, 77, 182, 189.	177. White-breasted. 177, 184.
Kinglet, Golden-crowned. 69, 71, 72, 73, 74, 178, 195.	195.
Ruby-crowned. 46, 66, 67,	Nuttalornis borealis. 27.

Oporornis agilis. 172. Piping. 69. Semipalmated. 68, 70. formosa. 172. philadelphia. 172. Podilymbus podiceps. 44. Polioptila caerulea. 179. Otocoris alpestris. 29, praticola. 29. Pooecetes gramineus. 37. hoyti. 30. Oriole, Baltimore. 34, 183, 191. Progne subis. 101. Protonotaria citrea. 107. Orchard. 33, 183, 191. Osprey. 43, 44, 67, 68, 76, 184. Oven-bird. 115, 184, 194. Oxyechus vociferus. 187. Ptarmigan, Allen's. 119, 120. Welch's. 119. Quiscalus quiscalus. 183, 191. aeneus. 34, 192. Owl, Barred. 56, 69, 118. Florida Barred. 45. Rail, King. 65, 68. Great Horned. 18. Sora. 68. Screech. 18, 69, 118, 156. Virginia. 68. Red-head. 18, 75, 76. 188. Short-eared. 56, 71, 73, 76. Snowy. 58, 124. Red-poll. 36, 192. Redstart. 71, 174, 184, 194. Regulus calendula. 46, 178, 195. Pandion haliaetus carolinensis. satrapa. 178, 195. 44, 184. Riparia riparia. 104, 183, 193. Parus atricapillus. 195. Rissa tridactyla. 187 Passer domesticus. 35, 191. Robin. 24, 47, 58, 73, 76, 181, Passerculus sandwichensis sa-195, 202. Ruff. 199. vanna. 38. Passerella iliaca. 98, 192. Sanderling. 69, 73, 74, 75, 77, Passerina cyanea. 100. nivalis. 192 Sandpiper, Least. 68, 69. Pectoral. 68, 78. Passerherbulus henslowi. 38. Pelican, Brown. 44. Semipalmated. 68, 70. Red-backed. 70, 72, 75, 76. White-rumped. 72. Penthestes atricapillus. 178. carolinensis. 46. Petrochelidon lunifrons. 102. Sapsucker, Yellow-bellied. 45, 70, 72, 73, 76, 77, 195. Sayornis phoebe. 26, 45, 183, Peucaea aestivalis bachmani. 97. Pewee, Wood. 183, 190. Phalacrocorax auritus. 190. Scoter, Surf. 199. Phloeotomus pileatus. 45. White-winged. 18. Phoebe. 26, 45, 70, 73, 78, 183, Seiurus aurocapillus. 184, 194. 190. Pigeon, Passenger. 47, 48, 51, noveboracensis. 194. Setophaga ruticilla. 174, 53. 191, 194. Pinicola enucleator leucura. 35. Pintail. 71, 72, 76, 78. Shoveller. 75. Pipilo erythrophthalmus. 46, 99, Shrike, Migrant. 105. Northern. 105, 193, 202. White-rumped. 118. 183, 192. alleni. alleni. 46. Pipit. 44, 72, 73, 174, 194. Sialia sialis. 47, 181, 191, 195. Siskin, Pine. 38. Piranga erythromelas. 101, 183, Sitta canadensis. 177. carolinensis. 177, 184, 195. Planesticus migratorius. 47, 181. pusilla. 46. Plectrophenax nivalis. 37. Snipe, Wilson's. 44, 68, 69, 70, 71, 72, 75, 76, 184, 197. Snowflake. 37, 192. Plover, Blackbellied. 68, 69. Golden. 69, 71, 72, 75, 76, 78, 204.

Sora. 75, 76.	Teal, Blue-winged. 66, 68, 70,
Sparrow, Bachman's. 97, 128.	72.
Chipping. 40, 66, 68, 69,	Green-winged. 65, 68, 70,
183, 192,	72, 73, 75, 78.
English. 13, 22, 24, 35, 73,	Telmatodytes palustris. 177, 195.
103, 126, 128, 152.	Tern, Common. 72, 73, 74.
Field. 41, 66, 68, 69, 74, 76,	Thrasher, Brown. 46, 65, 68,
77, 183, 192.	78, 118, 176, 195, 202.
Fox. 78, 98, 192, 203	Thryomanes bewicki. 176, 195.
Grasshopper. 38, 46, 73, 192.	Thryothorus ludovicianus. 46,
Henslow's. 38, 46, 73, 74,	175.
125.	Thrush, Gray-cheeked. 67, 69,
Lark. 39.	70, 71, 78, 180, 195.
Leconte's, 199.	Hermit. 47, 69, 70, 71, 74, 77, 78, 181, 195, 203.
Liucoln's. 67, 97.	01; 18, 181, 199, 208.
Nelson's. 199.	Olive-backed. 65, 67, 69, 70, 71, 77, 78, 180, 195,
Savanna. 37, 66,69, 71, 75. Song. 46, 66, 73, 74, 75, 97,	70, 71, 77, 78, 180, 195, 199.
118, 183, 192.	Wilson's. 24, 179, 195.
Swamp. 75, 98, 192.	Wood. 179, 184, 195.
Tree. 40, 192.	Totanus melanoleucus. 197.
Vesper. 38, 77.	Towhee. 46, 77, 78, 99, 183, 192.
White-crowned. 39, 69, 75,	White-eyed. 46.
76, 77, 184, 192.	Toxostoma rufum. 46, 175, 195.
White-throated. 39, 66, 69,	Trochilus colubris. 190.
71, 72, 73, 74, 75, 76, 77,	Troglodytes aedon. 176, 195.
192.	Turnstone, Ruddy. 69.
Sphyrapicus varius. 45, 195.	Tyrannus tyrannus. 26, 182,
Spinus pinus. 37.	190.
Spiza americana, 100.	Vermivora celata, 109.
Spizella monticola. 40, 192.	
socialis. 40, 183, 192.	chrysoptera. 108. leucobronchialis. 108.
Squatarola squatarola, 203.	peregrina. 109.
Starling. 183, 191.	rubricapilla. 109.
Stelgidopteryx serripennis. 104.	Vireo flavifrons. 184, 193.
Strix varia. 56.	gilvus. 184, 193.
alleni. 45.	noveboracensis. 107.
Sturnella magna. 33, 46, 183,	olivaceus. 183, 193.
191.	Vireo, Warbling. 24, 106, 184,
argutula. 46.	193, 203,
Sturnus vulgaris. 183, 191.	White-eyed. 107.
Swallow, Bank. 7, 12, 102, 104,	Yellow-throated. 106, 184,
183, 193.	193.
Barn. 12, 102, 103, 183, 193.	Vireosylva gilva. 106,
CHI. 13, 102, 193.	olivacea. 105 <sub>.</sub> 191.
Rough-winged. 13, 102, 104.	Vulture, Black. 45.
Tree. 12, 13, 46, 75, 76, 78,	Turkey. 45, 77.
103, 183, 193	Warbler, Bay-breasted. 65, 70,
Swan, Whistling. 21, 125.	77, 112, 194, 203.
Swift, Chimney. 102, 182, 190.	Black and White. 46, 107,
Syrnium varium, 189.	193.
	Blackburnian. 113.
Tanager, Scarlet. 72, 101, 183,	Black-poll. 65, 66, 113, 194,
193,	203.

Black-throated Blue. 65, 70, 71, 110, 194. Black-throated Green. 66, 72, 114, 194. Blue-winged. 108, 193. Brewster's. 108. Canadian. 71, 174, 194. Cape May. 69, 70, 71, 110. Cerulean. 112. Chestnut-sided. 112, 184, 194. Connecticut. 72, 172. Golden-winged. 108, 193. Hooded. 173, 184, 194. Kentucky. 172. Kirtland's. 114, 128. Magnolia. 71, 111, 194. Mourning. 172. Myrtle. 46, 65, 70, 71, 73, 74, 111, 194, 203. Nashville. 109. Orange-crowned. 73, 109. Palm. 46, 65, 70, 71, 72, 73, 75, 114. Parúla. 193. Pine. 46, 114, 194. Prairie. 115. Prothonotary. 107, 124. Tennessee. 109. Wilson's. 173. Worm-eating. 107, 193. Yellow. 110, 184, 194. Yellow Palm. 46, 194, 203. Zenaidura macroura. 45, Water-Thrush. 115, 194. Louisiana. 115. 187. Zonotrichia albicollis. 39, 184, Waxwing, Bomehian. 192. Cedar. 24, 66, 104, 193. Whippoorwill. 18, 65, 66, 67, 70, 77, 190.

Wilsonia canadensis. 174, 194. mitrata. 173, 184, 194. pusilla. 173. Woodcock, 65, 66, 68, 69, 72, 74, 185. Woodpecker, Downy. 72, 190. Hairy. 72, 189. Pileated. 45. Red-bellied. 45. Red-headed. 24, 126, Red-cockaded. 45, 199. 140, Southern Downy. 45. Wren, Bewick's. 57, 176. Carolina. 46, 67, 175, 195. House. 22, 75, 176, 195. Long-billed Marsh. 22, 66, 76, 177, 195. Short-billed Marsh. 176. Winter. 75, 77, 176, 203. Western Winter. 15. Xanthocephalus xanthocephalus. 32. Yellow-legs. 65, 69. Greater. 69, 72, 76. low-throat, Maryland. Yellow-throat, 46, 184, 194. Northern. 24, 66, 78, 172, 185. Zamelodia ludoviciana. 100, 183.

coronata. 39, 192.

184.